

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<i>Complete if Known</i>		
			Application Number	10/693,419	
			Filing Date	2003-10-23	
			First Named Inventor	J. Rodney Walton , Carlisle, MA	
			Art Unit	2467	
			Examiner Name	SMITH, MARCUS	
Sheet	1	of	3	Attorney Docket No: 020554	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	001	US6141388	10-31-2000	Servais et al.	
	002	US6532225	03-11-2003	Chang; Li Fung et al.	
	003	US6760882	07-06-2004	Gesbert et al.	
	004	US6847828	01-25-2005	Miyoshi et al.	
	005	US6940917	09-06-2005	Menon et al.	
	006	US7035359	04-25-2006	Molnar et al.	
	007	US7095709	08-22-2006	Walton et al.	
	008	US7164669	01-16-2007	Li et al.	
	009	US7248841	07-24-2007	Agee; Brian G. et al.	
	010	US7283508	10-16-2007	Choi et al.	
	011	US7551580	06-23-2009	du Crest et al.	
	012	US20010031621	10-18-2001	Schmutz, Thomas R et al.	
	013	US20020071445	06-13-2002	Wu, Geng et al.	
	014	US20020126803	09-12-2002	Jones, William W et al.	
	015	US20020132600	09-19-2002	Rudrapatna, Ashok N et al.	
	016	US20030043887	03-06-2003	Hudson, John E et al.	
	017	US20030060173	03-27-2003	Lee, Yong-Suk et al.	
	018	US20030076797	04-24-2003	Lozano, Angel et al.	
	019	US20030086514	05-08-2003	Ginis, Georgios et al.	
	020	US20030092456	05-15-2003	Dent, Paul Wilkinson et al.	
	021	US20030123381	07-03-2003	Zhuang, Xiangyang et al.	

EXAMINER SIGNATURE

/Marcus Smith/

DATE CONSIDERED

4/23/10

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MS/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>		
				Application Number	10/693,419	
				Filing Date	2003-10-23	
				First Named Inventor	J. Rodney Walton , Carlisle, MA	
				Art Unit	2467	
				Examiner Name	SMITH, MARCUS	
Sheet	2	of	3	Attorney Docket No: 020554		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	022	US20030128658	07-10-2003	Walton, Jay Rod; et al.	
	023	US20030147371	08-07-2003	Choi, Sung-Ho et al.	
	024	US20030153320	08-14-2003	Noerpel, Anthony et al.	
	025	US20030157953	08-21-2003	Das, Arnab et al.	
	026	US20030161282	08-28-2003	Medvedev, Irina; et al.	
	027	US20030165189	09-04-2003	Kadous, Tamer; et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	028	WO01080510	10-25-2001	AWARE INC [US]		<input type="checkbox"/>
	029	JP11069431A	03-09-1999	MITSUBISHI ELECTRIC CORP		<input type="checkbox"/>
	030	WO0182521A2	11-01-2001	QUALCOMM INC [US]		<input type="checkbox"/>

EXAMINER SIGNATURE

/Marcus Smith/

DATE CONSIDERED

4/23/10

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MS/